

Site: CCL - Shawnee
 ID #: KSD980b32962
 Break: 3.3
 Other:
 UNITS: UG/KG
 CASE: 12316
 DATE: 08/17/89

ANALYSIS TYPE: VOLATILES

TITLE: CHEMICAL COMMODITIES - *Shawnee*
 LAB: IT-C
 SAMPLE PREP: *1* ANALYST/ENTRY: KDF REVIEWER: *PF*
 REVIEW LEVEL: 1 DATA FILE : K72

SAMPLES	ROX03001	ROX03002	ROX03003	ROX03004
CHLOROMETHANE	11 U	12 U	12 U	11 U
BROMOMETHANE	11 U	12 U	12 U	11 U
VINYL CHLORIDE	11 U	12 U	12 U	11 U
CHLOROETHANE	11 U	12 U	12 U	11 U
METHYLENE CHLORIDE	9.0 U	8.0 U	10 U	7.0 U
ACETONE	2.0 J	2.0 J	2.0 J	11 U
CARBON DISULFIDE	5.7 U	5.9 U	5.9 U	5.6 U
1,1 DICHLOROETHENE	5.7 U	5.9 U	5.9 U	5.6 U
1,1 DICHLOROETHANE	5.7 U	5.9 U	5.9 U	5.6 U
1,2,-DICHLOROETHENE (TOTAL)	5.7 U	5.9 U	5.9 U	5.6 U
CHLOROFORM	5.7 U	5.9 U	5.9 U	5.6 U
1,2,DICHLOROETHANE	5.7 U	5.9 U	5.9 U	5.6 U
2-BUTANONE	11 U	12 U	12 U	11 U
1,1,1 TRICHLOROETHANE	5.7 U	5.9 U	5.9 U	5.6 U
CARBON TETRACHLORIDE	5.7 U	5.9 U	5.9 U	5.6 U
VINYL ACETATE	11 U	12 U	12 U	11 U
BROMODICHLOROMETHANE	5.7 U	5.9 U	5.9 U	5.6 U
1,1,2,2,-TETRACHLOROETHANE	5.7 U	5.9 U	5.9 U	5.6 U
1,2-DICHLOROPROPANE	5.7 U	5.9 U	5.9 U	5.6 U
TRANS-1,3-DICHLOROPROPENE	5.7 U	5.9 U	5.9 U	5.6 U
TRICHLOROETHENE	5.7 U	5.9 U	5.9 U	5.6 U
DIBROMOCHLOROMETHANE	5.7 U	5.9 U	5.9 U	5.6 U
1,1,2-TRICHLOROETHANE	5.7 U	5.9 U	5.9 U	5.6 U
BENZENE	5.7 U	5.9 U	5.9 U	5.6 U
CIS-1,3-DICHLOROPROPENE	5.7 U	5.9 U	5.9 U	5.6 U
BROMOFORM	5.7 U	5.9 U	5.9 U	5.6 U
2-HEXANONE	11 U	12 U	12 U	11 U
4-METHYL-2-PENTANONE	11 U	12 U	12 U	11 U
TETRACHLOROETHENE	5.7 U	5.9 U	5.9 U	5.6 U
TOLUENE	5.7 U	5.9 U	5.9 U	5.6 U
CHLOROBENZENE	5.7 U	5.9 U	5.9 U	5.6 U
ETHYL BENZENE	5.7 U	5.9 U	5.9 U	5.6 U
STYRENE	5.7 U	5.9 U	5.9 U	5.6 U
TOTAL XYLENES	5.7 U	5.9 U	5.9 U	5.6 U

metals

(BNA residues)

RECEIVED
 AUG 30 1989
 REME SECTION

40200895



SUPERFUND RECORDS

ANALYSIS TYPE: VOLATILES

TITLE: CHEMICAL COMMODITIES MATRIX: SEDIMENT UNITS: UG/KG
 LAB: IT-C METHOD: 9303M02 CASE: 12316
 SAMPLE PREP: _____ ANALYST/ENTRY: KDF REVIEWER: KF DATE: 08/17/89
 REVIEW LEVEL: 1 DATA FILE : K72

SAMPLES	ROX03005	ROX03006	ROX03007	ROX03008
CHLOROMETHANE	13 U	12 U	13 U	12 U
BROMOMETHANE	13 U	12 U	13 U	12 U
VINYL CHLORIDE	13 U	12 U	13 U	12 U
CHLOROETHANE	13 U	12 U	13 U	12 U
METHYLENE CHLORIDE	9.0 U	8.0 U	12 U	10 U
ACETONE	<u>2.0 J</u>	<u>4.0 J</u>	<u>2.0 J</u>	<u>2.0 J</u>
CARBON DISULFIDE	6.3 U	<u>5.8 U</u>	6.3 U	6.1 U
1,1 DICHLOROETHENE	6.3 U	5.8 U	6.3 U	6.1 U
1,1 DICHLOROETHANE	6.3 U	5.8 U	6.3 U	6.1 U
1,2,-DICHLOROETHENE (TOTAL)	6.3 U	5.8 U	6.3 U	6.1 U
CHLOROFORM	6.3 U	5.8 U	6.3 U	6.1 U
1,2,DICHLOROETHANE	6.3 U	5.8 U	6.3 U	6.1 U
2-BUTANONE	13 U	12 U	13 U	12 U
1,1,1 TRICHLOROETHANE	6.3 U	5.8 U	6.3 U	6.1 U
CARBON TETRACHLORIDE	6.3 U	5.8 U	6.3 U	6.1 U
VINYL ACETATE	13 U	12 U	13 U	12 U
BROMODICHLOROMETHANE	6.3 U	5.8 U	6.3 U	6.1 U
1,1,2,2,-TETRACHLOROETHANE	6.3 U	5.8 U	6.3 U	6.1 U
1,2-DICHLOROPROPANE	6.3 U	5.8 U	6.3 U	6.1 U
TRANS-1,3-DICHLOROPROPENE	6.3 U	5.8 U	6.3 U	6.1 U
TRICHLOROETHENE	6.3 U	5.8 U	6.3 U	6.1 U
DIBROMOCHLOROMETHANE	6.3 U	5.8 U	6.3 U	6.1 U
1,1,2-TRICHLOROETHANE	6.3 U	5.8 U	6.3 U	6.1 U
BENZENE	6.3 U	5.8 U	6.3 U	6.1 U
CIS-1,3-DICHLOROPROPENE	6.3 U	5.8 U	6.3 U	6.1 U
BROMOFORM	6.3 U	5.8 U	6.3 U	6.1 U
2-HEXANONE	13 U	12 U	13 U	12 U
4-METHYL-2-PENTANONE	13 U	12 U	13 U	12 U
TETRACHLOROETHENE	6.3 U	5.8 U	6.3 U	6.1 U
TOLUENE	6.3 U	5.8 U	6.3 U	6.1 U
CHLOROBENZENE	6.3 U	5.8 U	6.3 U	6.1 U
ETHYL BENZENE	6.3 U	5.8 U	6.3 U	6.1 U
STYRENE	6.3 U	5.8 U	6.3 U	6.1 U
TOTAL XYLEMES	6.3 U	5.8 U	6.3 U	6.1 U

ANALYSIS TYPE: VOLATILES

TITLE: CHEMICAL COMMODITIES MATRIX: SEDIMENT UNITS: UG/KG
LAB: IT-C METHOD: 9303M02 CASE: 12316
SAMPLE PREP: _____ ANALYST/ENTRY: KDF REVIEWER: VF DATE: 08/17/89
REVIEW LEVEL: 1 DATA FILE : K72

SAMPLES	ROX03009	ROX03010	ROX03010D	ROX03011
CHLOROMETHANE	12 U	13 U	13 U	13 U
MOMETHANE	12 U	13 U	13 U	13 U
YL CHLORIDE	12 U	13 U	13 U	13 U
DROETHANE	12 U	13 U	13 U	13 U
HYLENE CHLORIDE	11 U	8.0 U	8.0 U	10 U
TONE	2.0 J	14	26	26
BON DISULFIDE	5.9 U	6.3 U	6.3 U	6.3 U
DICHLOROETHENE	5.9 U	6.3 U	6.3 U	6.3 U
DICHLOROETHANE	5.9 U	6.3 U	6.3 U	6.3 U
,-DICHLOROETHENE (TOTAL)	5.9 U	6.3 U	6.3 U	6.3 U
ROFORM	5.9 U	6.3 U	6.3 U	6.3 U
, DICHLOROETHANE	5.9 U	6.3 U	6.3 U	6.3 U
UTANONE	12 U	13 U	13 U	13 U
,1 TRICHLOROETHANE	5.9 U	6.3 U	6.3 U	6.3 U
BON TETRACHLORIDE	5.9 U	6.3 U	6.3 U	6.3 U
YL ACETATE	12 U	13 U	13 U	13 U
MODICHLOROMETHANE	5.9 U	6.3 U	6.3 U	6.3 U
,2,2,-TETRACHLOROETHANE	5.9 U	6.3 U	6.3 U	6.3 U
-DICHLOROPROPANE	5.9 U	6.3 U	6.3 U	6.3 U
NS-1,3-DICHLOROPROPENE	5.9 U	6.3 U	6.3 U	6.3 U
CHLOROETHENE	5.9 U	6.3 U	6.3 U	6.3 U
ROMOCHLOROMETHANE	5.9 U	6.3 U	6.3 U	6.3 U
,2-TRICHLOROETHANE	5.9 U	6.3 U	6.3 U	6.3 U
ZENE	5.9 U	6.3 U	6.3 U	6.3 U
-1,3-DICHLOROPROPENE	5.9 U	6.3 U	6.3 U	6.3 U
MOFORM	5.9 U	6.3 U	6.3 U	6.3 U
EXANONE	12 U	13 U	13 U	13 U
ETHYL-2-PENTANONE	12 U	13 U	13 U	13 U
RACHLOROETHENE	5.9 U	6.3 U	6.3 U	6.3 U
JENE	5.9 U	6.3 U	6.3 U	6.3 U
DROBENZENE	5.9 U	6.3 U	6.3 U	6.3 U
YL BENZENE	5.9 U	6.3 U	6.3 U	6.3 U
RENE	5.9 U	6.3 U	6.3 U	6.3 U
AL XYLENES	5.9 U	6.3 U	6.3 U	6.3 U

ANALYSIS TYPE: VOLATILES

TITLE: CHEMICAL COMMODITIES
 LAB: IT-C
 SAMPLE PREP: _____
 REVIEW LEVEL: 1

MATRIX: SEDIMENT
 METHOD: 9303M02
 ANALYST/ENTRY: KDF REVIEWER: *W*
 DATA FILE : K72

UNITS: UG/KG
 CASE: 12316
 DATE: 08/17/89

below detection limits

SAMPLES	ROX03012	ROX03013	ROX03014	ROX03015
CHLOROMETHANE	12 U	11 U	12 U	13 U
BROMOMETHANE	12 U	11 U	12 U	13 U
VINYL CHLORIDE	12 U	11 U	12 U	13 U
CHLOROETHANE	12 U	11 U	12 U	13 U
METHYLENE CHLORIDE	8.0 U	9.0 U	10 U	10 U
ACETONE	12 U	11 U	12 U	<u>140 J</u>
CARBON DISULFIDE	5.8 U	5.7 U	5.9 U	<u>6.6 U</u>
1,1 DICHLOROETHENE	5.8 U	5.7 U	5.9 U	6.6 U
1,1 DICHLOROETHANE	5.8 U	5.7 U	5.9 U	6.6 U
1,2,-DICHLOROETHENE (TOTAL)	5.8 U	5.7 U	5.9 U	6.6 U
CHLOROFORM	5.8 U	5.7 U	5.9 U	<u>8.0</u>
1,2,DICHLOROETHANE	5.8 U	5.7 U	5.9 U	<u>4.0 J</u>
2-BUTANONE	12 U	11 U	12 U	13 U
1,1,1 TRICHLOROETHANE	5.8 U	5.7 U	5.9 U	6.6 U
CARBON TETRACHLORIDE	5.8 U	5.7 U	5.9 U	6.6 U
VINYL ACETATE	12 U	11 U	12 U	13 U
BROMODICHLOROMETHANE	5.8 U	5.7 U	5.9 U	6.6 U
1,1,2,2,-TETRACHLOROETHANE	5.8 U	5.7 U	5.9 U	6.6 U
1,2-DICHLOROPROPANE	5.8 U	5.7 U	5.9 U	6.6 U
TRANS-1,3-DICHLOROPROPENE	5.8 U	5.7 U	5.9 U	6.6 U
TRICHLOROETHENE	5.8 U	5.7 U	5.9 U	<u>3.0 J</u>
DIBROMOCHLOROMETHANE	5.8 U	5.7 U	5.9 U	<u>6.6 U</u>
1,1,2-TRICHLOROETHANE	5.8 U	5.7 U	5.9 U	6.6 U
BENZENE	5.8 U	5.7 U	5.9 U	<u>1.0 J</u>
CIS-1,3-DICHLOROPROPENE	5.8 U	5.7 U	5.9 U	<u>6.6 U</u>
BROMOFORM	5.8 U	5.7 U	5.9 U	6.6 U
2-HEXANONE	12 U	11 U	12 U	13 U
4-METHYL-2-PENTANONE	12 U	11 U	12 U	13 U
TETRACHLOROETHENE	5.8 U	5.7 U	5.9 U	<u>4.0 J</u>
TOLUENE	5.8 U	5.7 U	5.9 U	<u>6.6 U</u>
CHLOROBENZENE	5.8 U	5.7 U	5.9 U	6.6 U
ETHYL BENZENE	5.8 U	5.7 U	5.9 U	6.6 U
STYRENE	5.8 U	5.7 U	5.9 U	6.6 U
TOTAL XYLEMES	5.8 U	5.7 U	5.9 U	6.6 U

ANALYSIS TYPE: VOLATILES

TITLE: CHEMICAL COMMODITIES
LAB: IT-C
SAMPLE PREP: _____
REVIEW LEVEL: 1

ANALYST/ENTRY: KDF REVIEWER: *ve*
DATA FILE : K72

UNITS: UG/KG
CASE: 12316
DATE: 08/17/89

SAMPLES

ROX03016

ROX03018

*outfall
in fl
in tracks*

CHLOROMETHANE	13 U	19 U
BROMOMETHANE	13 U	19 U
VINYL CHLORIDE	13 U	19 U
CHLOROETHANE	13 U	19 U
METHYLENE CHLORIDE	8.0 U	27 U
ACETONE	13 U	<u>150 J</u>
CARBON DISULFIDE	6.3 U	9.6 U
1,1 DICHLOROETHENE	6.3 U	9.6 U
1,1 DICHLOROETHANE	6.3 U	9.6 U
1,2,-DICHLOROETHENE (TOTAL)	6.3 U	9.6 U
CHLOROFORM	6.3 U	9.6 U
1,2,DICHLOROETHANE	6.3 U	9.6 U
2-BUTANONE	13 U	19 U
1,1,1 TRICHLOROETHANE	6.3 U	9.6 U
CARBON TETRACHLORIDE	6.3 U	9.6 U
VINYL ACETATE	13 U	19 U
BROMODICHLOROMETHANE	6.3 U	9.6 U
1,1,2,2,-TETRACHLOROETHANE	6.3 U	9.6 U
1,2-DICHLOROPROPANE	6.3 U	9.6 U
TRANS-1,3-DICHLOROPROPENE	6.3 U	9.6 U
TRICHLOROETHENE	1.0 J	<u>2.0 J</u>
DIBROMOCHLOROMETHANE	<u>6.3 U</u>	9.6 U
1,1,2-TRICHLOROETHANE	6.3 U	9.6 U
BENZENE	9.0	9.6 U
CIS-1,3-DICHLOROPROPENE	<u>6.3 U</u>	9.6 U
BROMOFORM	6.3 U	9.6 U
2-HEXANONE	13 U	19 U
4-METHYL-2-PENTANONE	13 U	19 U
TETRACHLOROETHENE	1.0 J	<u>4.0 J</u>
TOLUENE	<u>6.3 U</u>	<u>7.0 J</u>
CHLOROBENZENE	6.3 U	<u>8.0 J</u>
ETHYL BENZENE	6.3 U	9.6 U
STYRENE	6.3 U	9.6 U
TOTAL XYLENES	6.3 U	9.6 U